

Title (en)

PENDENT VERTICAL SIDEWALL WINDOW SPRINKLERS, SYSTEMS AND METHODS OF FIRE PROTECTION

Title (de)

HÄNGENDE VERTIKALE SEITENWANDFENSTERSPRINKLER, SYSTEME UND VERFAHREN ZUM BRANDSCHUTZ

Title (fr)

EXTINCTEURS SUSPENDUS À PAROIS LATÉRALES VERTICALES POUR FENÊTRES, SYSTÈMES ET PROCÉDÉS DE PROTECTION CONTRE L'INCENDIE

Publication

EP 3897997 A4 20221012 (EN)

Application

EP 19901263 A 20191213

Priority

- US 201862781285 P 20181218
- US 2019066361 W 20191213

Abstract (en)

[origin: WO2020131638A1] Pendant vertical sidewall fire protection sprinklers, systems and methods for the protection of windows are provided. The sprinklers include a fluid deflection member with an impact surface and an adjacent retention surface having one or more arcuate surface profiles to define a fluid throw channel. The sprinklers and their system installation provide for a maximum sprinkler-to-sprinkler spacing that ranges from over eight feet to fifteen feet (8+ ft. to 15 ft.).

IPC 8 full level

B05B 1/26 (2006.01); **A62C 31/00** (2006.01); **A62C 31/02** (2006.01); **B05B 1/02** (2006.01); **B05B 1/04** (2006.01); **B05B 1/28** (2006.01); **A62C 37/12** (2006.01)

CPC (source: EP US)

A62C 31/02 (2013.01 - EP); **A62C 35/68** (2013.01 - US); **B05B 1/02** (2013.01 - EP); **B05B 1/267** (2013.01 - EP US); **B05B 1/28** (2013.01 - EP); **A62C 37/12** (2013.01 - EP)

Citation (search report)

- [X] US 6374920 B1 20020423 - PHILLIPS HUDSON [US], et al
- [X] US 2005067171 A1 20050331 - GREEN BRIAN S [US]
- [X] WO 2017156439 A1 20170914 - RELIABLE AUTOMATIC SPRINKLER CO INC [US]
- See references of WO 2020131638A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

US 2019066361 W 20191213; CA 3123010 A 20191213; CN 201990001324 U 20191213; EP 19901263 A 20191213; US 201916757881 A 20191213; US 20221773772 A 20220505